

# Big Canyon Water Quality and Restoration Project – 2017



Hydraulic Stilling Basin in construction

Unique field constraints, steep slopes, long rain season, high groundwater, muddy conditions.



Bioretention Basin for water quality treatment of 100-year storms

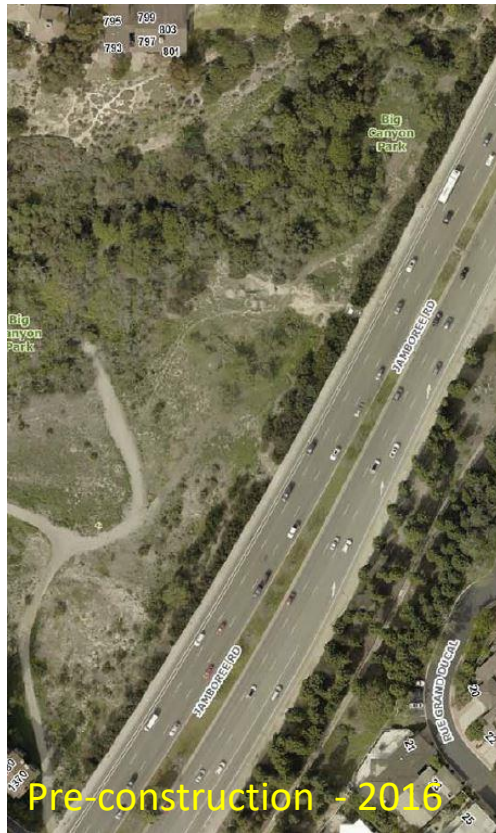


## PROJECT TEAM

- Contractor: ECI, Miguel Macias – Construction Superintendent/Field Engineering
- Design Consultant: Burns & McDonnell, Steve Gruber – Project Manager
- Restoration Design & Permitting: ESA, Dave Pohl – Principal
- City Inspection: Tom Legault – Senior Inspector; Marcus Puglisi – Construction Supervisor
- Project Manager: Bob Stein
- Project Director: Dave Webb







Pre-construction - 2016



## May 21, 2017 – Hydroseed Application



## New Creek Reach



# Big Canyon Creek in a pipe

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## LONG-TERM PROJECT SUPPORTERS

- City of Newport City Councils (2011-2017)
- Water Quality/Tidelands Committee
- Big Canyon Country Club
- Defend the Bay
- OCTA (Measure M)
- The Irvine Company
- Newport Bay Conservancy
- Irvine Ranch Conservancy
- California State Coastal Conservancy
- Regional Water Quality Control Board
- California Coastal Commission